

Attorney Docket
No. 99R1360

IN THE CLAIMS

Please amend claims 3, 7-15, 26, 46, 49, 50 and 63 as shown in the clean version presented below. A marked-up version, showing the amendments to claims 3, 7-15, 26, 46, 49, 50 and 63 via underlining and bracketing, is attached at the end of this document.

A 1/2 3. (Amended) The method according to claim 2, wherein said agricultural product comprises an unharvested agricultural product.

Sub C1 7. (Amended) The method according to claim 1, wherein said property identification marker contains information identifying a grower of said bulk flowable material.

A2 8. (Amended) The method according to claim 1, wherein said property identification marker contains information identifying an owner of said bulk flowable material.

9. (Amended) The method according to claim 1, wherein said property identification marker contains information indicating geographic origin of said bulk flowable material.

Attorney Docket
No. 99R1360

10. (Amended) The method according to claim 1, wherein said property identification marker contains information indicating a genetic property of said bulk flowable material.

11. (Amended) The method according to claim 1, wherein said property identification marker contains information indicating a historical record of said bulk flowable material.

12. (Amended) The method according to claim 2, wherein said property identification marker contains information indicating a crop variety designation related to said agricultural product.

13. (Amended) The method according to claim 2, wherein said property identification marker contains information indicating a specific trait associated with said agricultural product.

14. (Amended) The method according to claim 2, wherein said property identification marker contains information useful for indicating whether said agricultural product is a genetically modified organism.

Attorney Docket
No. 99R1360

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15. (Amended) The method according to claim 2, wherein said property identification marker contains information indicating said agricultural product's genetic content.

A3
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26. (Amended) The method according to claim 1, wherein said property identification marker comprises a color-coded marker.

A4
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46. (Amended) The method according to claim 1, wherein said property identification marker contains information indicating a prior chemical treatment of said bulk flowable material.

Sub C
A5

49. (Amended) The method according to claim 1, wherein said property identification marker contains information indicating future handling regarding said bulk flowable material.

50. (Amended) The method according to claim 1, wherein said property identification marker contains information indicating prior testing of said bulk flowable material.

Attorney Docket
No. 99R1360

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b4
Q6

63. (Amended) A material identification system, comprising:

a plurality of property identification markers; and

a marker dispenser capable of periodically dispensing said plurality of property identification markers into a flowing bulk flowable material;

wherein said plurality of property identification markers carry information identifying a physical characteristic of a bulk flowable material in which it is placed.

Please add the following new claims:

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65. (New) The method of claim 2, wherein said property identification marker contains information identifying a soil amendment application performed to soil used to grow said agricultural product.

Q7

66. (New) The method of claim 65, wherein said soil amendment application comprises a fertilizer application.

67. (New) The method of claim 1, wherein said property identification marker is made of biodegradable material.

Attorney Docket
No. 99R1360

68. (New) The method of claim 1, wherein said property identification marker is physically attached to a portion of said bulk flowable material.

69. (New) The method of claim 1, further comprising the step of sensing the volume of the flowing bulk flowable material, and wherein said periodically dispensing step dispenses a property identification marker so as to achieve a given property identification marker to volume ratio.

70. (New) The method of claim 69, further comprising the steps of:
reading a dispensed property identification marker; and
using data obtained via the reading step to calculate statistical information related to the bulk flowable material.

71. (New) The method of claim 69, further comprising the steps of:
reading a dispensed property identification marker; and
using data obtained via the reading step to calculate the bulk flowable material's volume.

72. (New) The method of claim 1, further comprising the step of sensing the mass of the flowing bulk flowable material, and wherein said periodically dispensing step dispenses a property identification marker so as to achieve a given property identification marker to mass ratio.

Attorney Docket
No. 99R1360

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73. (New) The method of claim 72, further comprising the steps of:
reading a dispensed property identification marker; and
using data obtained via the reading step to calculate statistical information
related to the bulk flowable material.

74. (New) The method of claim 72, further comprising the steps of:
reading a dispensed property identification marker; and
using data obtained via the reading step to calculate the bulk flowable
material's mass.

A7

75. (New) The method of claim 1, further comprising the step of sensing the
weight of the flowing bulk flowable material, and wherein said periodically dispensing
step dispenses a property identification marker so as to achieve a given property
identification marker to weight ratio.

76. (New) The method of claim 75, further comprising the steps of:
reading a dispensed property identification marker; and
using data obtained via the reading step to calculate statistical information
related to the bulk flowable material.

Attorney Docket
No. 99R1360

77. (New) The method of claim 75, further comprising the steps of:

reading a dispensed property identification marker; and

using data obtained via the reading step to calculate the bulk flowable material's weight.

78. (New) The method of claim 42, wherein said reading step is performed automatically.

79. (New) The method of claim 78, further comprising the step of routing the bulk flowable material based on a determined property of the bulk flowable material.

80. (New) The method of claim 79, wherein said routing step comprises the step of automatically routing the bulk flowable material in response to data gathered via said automatic reading step.

81. (New) The method of claim 80, wherein said step of automatically routing further comprises the step of automatically directing bulk flowable material sharing a given determined property to a designated storage location.

82. (New) The method of claim 81, wherein said step of automatically routing directs genetically modified bulk flowable material to a storage location collecting genetically modified bulk flowable material so as to segregate it from bulk flowable material that has not been genetically modified.

Attorney Docket
No. 99R1360

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83. (New) The method of claim 80, wherein said step of automatically routing further comprises the step of automatically directing bulk flowable material sharing a given determined property to a designated treatment location.

84. (New) The method of claim 1, further comprising the step of routing the bulk flowable material based on a determined property of the bulk flowable material.

85. (New) The material identification system according to claim 63, wherein said plurality of property identification markers identifies a bulk flowable material as containing an organism that has not been genetically modified.

86. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of labels.

87. (New) The material identification system according to claim 63, further comprising a preprinted continuous label spool which is subdivided to create said plurality of property identification markers.

88. (New) The material identification system according to claim 87, wherein said preprinted continuous label spool comprises a continuous barcode printed thereon.

Attorney Docket
No. 99R1360

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89. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of optically readable markers.

90. (New) The material identification system according to claim 89, wherein said plurality of optically readable markers comprises a plurality of machine-readable markers.

27

91. (New) The material identification system according to claim 89, wherein said plurality of optically readable markers contain coded information.

92. (New) The material identification system according to claim 89, wherein said plurality of optically readable markers comprises a human readable portion.

93. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of radiant energy markers.

Attorney Docket
No. 99R1360

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94. (New) The material identification system according to claim 93, wherein said plurality of radiant energy markers comprises a plurality of reader frequency identification tags.

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95. (New) The material identification system according to claim 63, wherein each property identification marker of said plurality of property identification markers contains information identifying a plurality of characteristics of a bulk flowable material.

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96. (New) The material identification system according to claim 63, wherein said plurality of property identification markers is biodegradable.

97. (New) The material identification system according to claim 63, wherein said plurality of property identification markers is consumable.

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98. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of ink doses.

99. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of biodegradable ink doses.

Attorney Docket
No. 99R1360

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100. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of soy-based ink doses.

101. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of colored marker doses.

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102. (New) The material identification system according to claim 63, wherein said plurality of property identification markers comprises a plurality of colored, vegetable-based dye doses.

103. (New) The material identification system according to claim 63, wherein said plurality of property identification markers contains information identifying a soil amendment application performed to soil used to grow an agriculturally generated bulk flowable material.

104. (New) The material identification system of claim 103, wherein said plurality of property identification markers contains information identifying a fertilizer application as the soil amendment application.

Attorney Docket
No. 99R1360

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105. (New) The material identification system according to claim 63, wherein said plurality of property identification markers contains information identifying a pesticide application administered to an agriculturally generated bulk flowable material.

106. (New) The material identification system according to claim 63, further comprising a bulk flowable material conveying apparatus.

107. (New) The material identification system according to claim 63, further comprising a bulk flowable material routing apparatus.

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108. (New) The material identification system according to claim 63, further comprising an automatic bulk flowable material routing apparatus.

109. (New) The material identification system according to claim 63, further comprising a property identification marker reading apparatus.

110. (New) The material identification system according to claim 63, further comprising an automatic property identification marker reading apparatus.

111. (New) A material identification system, comprising:

means for indicating a property of a bulk flowable material; and

means for dispensing said means for indicating a property into a flowing bulk flowable material.

Attorney Docket
No. 99R1360

112. (New) The material identification system of claim 111, further comprising a means for reading said means for indicating.

113. (New) The material identification system of claim 111, further comprising a means for routing the bulk flowable material to a desired location.